EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	410	DQPSK with QPSK	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L3	2	"6829314".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L4	313	375/283	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L5	363	375/330	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L6	410	DQPSK with QPSK	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L7	363	L5 and L5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L8	16	L5 and L6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L9	21	L4 and L6	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11

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L10	19	(DQPSK with QPSK).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L11	33	(DQPSK and QPSK).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L12	1578601	dqpsk with demodulator and "3" ad bit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L13	410	DQPSK with QPSK	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L14	702	dqpsk adj modulat$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L15	127	dqpsk adj modulator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L16	0	"2001/0031024".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L17	1	"09/929714"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11

EAST Search History

L18	1	DQPSK same QPSK same "xor"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L19	19	"g.sub.i" and "b.sub.i" and dsl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L20	2	"6829314".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L21	21	dqpsk with demodulator with qpsk	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L22	15	dqpsk with demodulator and "3" adj bit	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L23	10	DQPSK with QPSK with degree	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L24	4	DQPSK with QPSK with conversion	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L25	51	DQPSK and QPSK and "xor"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11

EAST Search History

L26	2	"5369378".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L27	39	dqpsk adj modulator and (two adj bit)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L28	2	"5355092".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L29	2	"5313493".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L30	2	"20010031024".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L31	68	dqpsk adj demodulator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L32	2	"5355092".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L33	2	"5355092".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11

EAST Search History

L34	2	"5313493".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L35	2	"5369378".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L36	12	("4481640" | "4628271" | "4922206" | "5007068").PN. OR ("5313493").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/05/03 11:11
L37	19	"g.sub.i" and "b.sub.i" and dsl	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L38	2	"6829314".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L39	196	dqpsk with demodulator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L40	10	"08/218236"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L41	2	"5909460".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11
L42	2	"5673291".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:11

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L43	25	DQPSK with QPSK with (convert$3 or traslat$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:13
L44	1	(DQPSK with QPSK with (convert$3 or traslat$3)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/03 11:13

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Application Number SEARCH

IDS Flag Clearance for Application 09929714

IDS Information

Content	Mailroom Date	Entry Number	IDS Review	Reviewer
M844	08-13-2001	12	☑	08-31-2005 16:26:42 jtorres1
M844	10-11-2005	31	☑	10-19-2005 08:30:20 jtorres1
M844	03-06-2006	41	☑	03-15-2006 10:36:42 jtorres1

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Inventor Information for 09/929714

Inventor Name	City	State/Country
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Last Name = FALKENBERG
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Application#	Patent#	Status	Date Filed	Title	Inventor Name
09830623	7031737	150	09/06/2001	RAKE RECEIVER IN THIRD GENERATION MOBILE RADIOTELEPHONE SYSTEMS	FALKENBERG, ANDREAS
09830624	Not Issued	95	12/03/2001	METHOD FOR MEMORY ACCESS CONTROL IN RAKE RECEIVERS WITH EARLY-LATE TRACKING IN TELECOMMUNICATIONS SYSTEMS	FALKENBERG, ANDREAS
09924620	Not Issued	71	08/07/2001	System and method for rate adaptation in a wireless communication system	FALKENBERG, ANDREAS
09929714	Not Issued	41	08/13/2001	Method of and system for modulating and demodulating a communication signal using differential quadrature phase shift keying (DQPSK)	FALKENBERG, ANDREAS
09957204	Not Issued	41	09/20/2001	System for and method of protecting data in firmware modules of embedded systems	FALKENBERG, ANDREAS
09959231	6690312	150	12/11/2001	METHOD AND CIRCUIT FOR REGULATING THE SIGNAL LEVEL FED TO AN ANALOG/DIGITAL CONVERTER	FALKENBERG, ANDREAS
09959258	6982947	150	10/22/2001	METHOD AND DEVICE FOR DECODING A CODE MULTIPLEX SIGNAL	FALKENBERG, ANDREAS
10036246	6526428	150	10/22/2001	METHOD AND APPARATUS FOR DETERMINING INTERPOLATED INTERMEDIATE VALUES OF A SAMPLED SIGNAL	FALKENBERG, ANDREAS
10381014	Not Issued	80	08/18/2003	Method for calibrating the frequency of an rf oscillator in a mobile part of a mobile communications device	FALKENBERG, ANDREAS
10381149	Not Issued	30	08/19/2003	Method for Frequency Acquisition of a Mobile Communications Device	FALKENBERG, ANDREAS
10465292	Not Issued	41	06/18/2003	Retargetable compiler using intermediate code with explicit operands	FALKENBERG, ANDREAS

10906702	Not Issued	20	03/02/2005	HIGH-LEVEL LANGUAGE PROCESSOR APPARATUS AND METHOD	FALKENBERG, ANDREAS
60274542	Not Issued	159	03/08/2001	Rate-adaptation (jittering) design	FALKENBERG, ANDREAS
60390682	Not Issued	159	06/18/2002	Intermediate format for use with a compiler/analyser/RTL model generator system and simulator and unified format to describe hardware and software components in libraries and platforms for synthesis and compiler systems and using flexible translate methods in the code generation section of retargetable compilers	FALKENBERG, ANDREAS

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Results **1** - **10** of about **95** for **"pi/4 dqpsk" qpsk translating**. (**0.60** seconds)

Comp.DSP
david.deng wrote: > > Does anyone have the matlab code for implementing pi/4-**QPSK**. > > > > Thanks a lot. > > Do you mean **pi/4-DQPSK**? ...
www.dsprelated.com/compdsp/ 3.php?searchfor=demodulation&by=

[PDF] Application of VHDL to Software Radio Technology
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BPSK, **QPSK**, OQPSK, m-FSK,. **pi/4 DQPSK**. Receiver "Personality" Software. Audio. Digital Data ... translator to shift (**translate**) the RF receive frequency to ...
doi.ieeecomputersociety.org/10.1109/IVC.1998.660686

[PDF] Practical GMSK Data Transmission
File Format: PDF/Adobe Acrobat - View as HTML
QPSK. Differential Quadrature Phase Shift Keying. DQPSK. Pi/4 Differential Quadrature Phase Shift Keying. **Pi/4 DQPSK**. Quadrature Amplitude Modulation ...
www.eetchina.com/ARTICLES/ 2003AUG/PDF/2003AUG29_NTEK_AN.PDF

[PDF] Telecom Tech Update
File Format: PDF/Adobe Acrobat - View as HTML
translation device. The complexity of. these systems range from office to ... The **Pi/4 DQPSK** system uses two. **QPSK** constellations offset by 45 ...
www.nctt.org/pages/publications/newsletters/99231.pdf

[PDF] Caesars Palace TR45.3.AHIC/98.08.17.04R1 TITLE: UWC-136 Self ...
File Format: PDF/Adobe Acrobat
The maximum delay spread for **pi/4-DQPSK** modulation is 41.152 us. (ie one symbol) ... 136 and 136+ supports most ISDN features via **translation** functions. ...
www.tiaonline.org/standards/ technology/documents/selfevalr1.pdf

[PDF] RF System DesignGuide
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sideband of The mixer output at each frequency **translation** and therefore there are ... **QPSK**. • 16 QAM, 64 QAM, 256 QAM. • IS95 and CDMA2000 (reverse and ...
eesof.tm.agilent.com/docs/adsdoc15/pdf/dgrfsys.pdf

.:: KHALUS Electronics ::.
... Кроме того, есть режим импульсной модуляции, режимы BPSK, **QPSK**, **pi/4-DQPSK**, QAM, MSK, GMSK. ...
khalus.com.ua/base/production.php?cat3=2&begin=0

美国专利申请公开说明书20030072383 - Method of and system for ...
... (DQPSK) symbols, **translating** the **Pi/4 DQPSK** symbols into quadrature phase shift keying (**QPSK**) symbols, and mapping the **QPSK** symbols to a pair of bits. ...
cxp.paterra.com/uspregrant20030072383cn.html

[PDF] CAD for broadband wireless access design - Telecommunications in ...
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QPSK (4 QAM), ... TDMA, **pi/4 DQPSK**); cordless phones, pagers, and inodeins ... This can **translate** into significant savings of ...
ieeexplore.ieee.org/iel5/ 7576/20666/00955831.pdf?arnumber=955831

EE535 Homework #11

This is achieved using **pi/4 DQPSK** with root-raised cosine pulse shaping at channel ...
Some of the most important types of this modulation are **QPSK**, OQPSK, ...
ece.wpi.edu/courses/ee535/hwk11cd95/tara/tara.html

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_____ Professor in Charge _____
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_____ Date Thesis Accepted ii Acknowledgements The success of this research relies heavily on the contributions made by my colleagues.
[http://www.tisl.ukans.edu/RDRN/papers/thesis/killoy_th...]
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☐ **2.** front1.pdf [PDF-634K]
Jun 2001
Gray Professor Robert G. Meyer 1995 Acknowledgments 2 Acknowledgments I am deeply grateful to all the people who in one way or another have helped me during the course of this seemingly endless project.
more hits from [http://bwrc.eecs.berkeley.edu/Publications/1995/theses...]
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☐ **3.** TELECOMMUNICATIONS APPLICATIONS WITH THE TMS320C5X [PDF-537K]
Apr 2000
...Description of /4-**QPSK** Modulation Scheme 113 . . . . . Theory of the /4-**DQPSK** Modem 115...
[http://www.ii.uam.es/docs/dsp/Telapp.pdf]
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☐ **4.** Wireless networking with simple terminals
McGibney, Grant, Jan 2001
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Mar 2001
...170 Constraint length seven half-rate convolutional encoder ..... 180 # / 4 shifted, differentially encoded **QPSK** constellation . . . . . 181 Modulation process using raised-cosine filtering...
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☐ **6.** COMMUNICATIONS APPARATUS
FERRIS, Gavin Robert, Radioscape Limited / FLORENCE, Peter Charles, Radioscape Limited / Radioscape Limited, *EUROPEAN PATENT*, Jul 2000
...multiplex / differential quadrature phase shift keying (COFDM/**DQPSK**) modulation of the ETSI Digital Audio Broadcasting (DAB) specification...take advantage of modern high-throughput schemes such as COFDM/**QPSK** or COFDM/QAM). In either case, such modems are generally inflexible...
Full text available at patent office. For more in-depth searching go to LexisNexis
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☐ **7.** Range adaptive protocols for wireless multi-hop networks
Smavatkul, Nattavut., Jan 2000
Thesis (Ph. D.)--Virginia Polytechnic Institute and State University, 2000. Title from electronic submission form. Vita. Abstract. Includes bibliographical references.
Full text thesis available via NDLTD
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☐ **8.** MODEM FOR WIRELESS LOCAL AREA NETWORK
SORRELLS, David, F. / BULTMAN, Michael, J. / COOK, Robert, W. / LOOKE, Richard, C. / MOSES, Charley, D., Jr. / RAWLINS, Gregory, S. / RAWLINS, Michael, W. / PARKERVISION, INC., *PATENT COOPERATION TREATY APPLICATION*, Feb 2001
...words, the UFT module 102 (and perhaps other components) operates to generate the output signal from the input signal by **translating** the frequency (and perhaps other characteristics) of the input signal to the frequency (and perhaps other characteristics...
Full text available at patent office. For more in-depth searching go to LexisNexis
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MOOSE, Paul, H. / MERCURY DIGITAL COMMUNICATIONS, INC., *PATENT COOPERATION TREATY APPLICATION*, Sep 1991
...IN EXgRitial modulation of an 1800 Hz carrier frequency using **QPSK** (2 bits per symbol) or 16- QAM (4 bits per symbol) utilizing...baud interference. This is not significant when demodulating **QPSK** con˜tellations (2 bits encoded per tone). Under particularly...
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Fox, Brian L., Feb 1997
...I=-101/-40 S/I=-90/-32 S/I=-79/-21 I1 CW I2 CW I1 CW I2 π/4 **DQPSK** I1 CW I2 GMSK I1 CW I2 CW 1 Ec = energy per chip, Ior = power...performed with a CW tone at an o□set of 120kHz and a π/4 **DQPSK** interferer at 240 kHz o□set both at -45 dBm (65 dB relative...
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QPSK .....112 5.3.2 Mobility Support: Picocells...

[http://bwrc.eecs.berkeley.edu/Research/Receiver_Algori...]

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...Description of /4-**QPSK** Modulation Scheme 113 . . . . . Theory of the **/4-DQPSK** Modem 115...
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☐ **2.** Microsoft Word - master.doc [PDF-433K]
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...3 Base Station Transmitter
Design.....111 5.3.1 Data
Modulation:
QPSK 112 5.3.2
Mobility Support: Picocells...
[http://bwrc.eecs.berkeley.edu/Research/Receiver_Algori...]
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☐ **3.** Analysis and Dynamic Range Enhancement of the Analog-to-Digital Interface in Multimode Radio Receivers
Fox, Brian L., Feb 1997
...S/I=-101/-40 S/I=-90/-32 S/I=-79/-21 I1 CW I2 CW I1 CW I2 π/**4** **DQPSK** I1 CW I2 GMSK I1 CW I2 CW 1 Ec = energy per chip, Ior = power...is performed with a CW tone at an o□set of 120kHz and a π/**4** **DQPSK** interferer at 240 kHz o□set both at -45 dBm (65 dB relative...
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Your search matched **23** of **1344704** documents.
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1. **Channel outage performance of QPSK and π/4-DQPSK in a multipath fading envir**
Haines, R.J.; Aghvami, A.H.;
Personal, Indoor and Mobile Radio Communications, 1992. Proceedings, PIMRC '92., TI
IEEE International Symposium on
19-21 Oct. 1992 Page(s):493 - 497
Digital Object Identifier 10.1109/PIMRC.1992.279881
AbstractPlus | Full Text: PDF(320 KB) **IEEE CNF**
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2. **DOQPSK-differential demodulation of filtered offset QPSK**
Gunther, C.G.; Habermann, J.;
Vehicular Technology Conference, 1994 IEEE 44th
8-10 June 1994 Page(s):1542 - 1546 vol.3
Digital Object Identifier 10.1109/VETEC.1994.345354
AbstractPlus | Full Text: PDF(324 KB) **IEEE CNF**
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3. **Modem/radio IC architectures for ISM band wireless applications**
Guo, Y.; Feher, K.;
Consumer Electronics, IEEE Transactions on
Volume 39, Issue 2, May 1993 Page(s):100 - 106
Digital Object Identifier 10.1109/30.214814
AbstractPlus | Full Text: PDF(500 KB) **IEEE JNL**
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4. **16-state nonlinear equalizer for IS-54 digital cellular channels**
Chou, W.P.; McLane, P.J.;
Vehicular Technology, IEEE Transactions on
Volume 45, Issue 1, Feb. 1996 Page(s):12 - 25
Digital Object Identifier 10.1109/25.481816
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IEE JNL	IEE Journal or Magazine
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IEEE STD	IEEE Standard

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IEE JNL	IEE Journal or Magazine
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